

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: John Lewis

GENERAL INFORMATION:

Name: The Gates Corporation, DBA The Gates Rubber Company
Address: 300 College Street Road, Elizabethtown, KY 42701
Date application received: December 14, 1999
SIC/Source description: 3052
EIS #: 21-093-00021
Application log number: 51206
Permit number: V-00-039

APPLICATION TYPE/PERMIT ACTIVITY:

<input checked="" type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
__Administrative	<input checked="" type="checkbox"/> Title V
__Minor	<input checked="" type="checkbox"/> Synthetic minor
__Significant	<input type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

☐ Source is out of compliance ☐ Compliance schedule included
☒ Compliance certification signed

APPLICABLE REQUIREMENTS LIST:

<input checked="" type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:017, 1(23)(b) or 51:052,1(14)(b)	

MISCELLANEOUS:

☐ Acid rain source
☐ Source subject to 112(r)
☒ Source applied for federally enforceable emissions cap
☒ Source provided terms for alternative operating scenarios
☐ Source subject to a MACT standard
☐ Source requested case-by-case 112(g) or (j) determination
☐ Application proposes new control technology
☒ Certified by responsible official
☒ Diagrams or drawings included
☐ Confidential business information (CBI) submitted in application
☐ Pollution Prevention Measures
☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)
PM	10.6	90.8
SO ₂	0.08	240
NO _x	19.2	240
CO	4.8	29.1
VOC	26.5	181
LEAD	0	.039
Total HAP	0.91	120
Carbon Disulfide	0.14	19.0
Toluene	0.64	44.6
Toluene Diisocyanate	0	28.9

SOURCE PROCESS DESCRIPTION:

The Gates Corporation, d.b.a. The Gates Rubber Company operates a belt manufacturing and rubber mixing facility in Elizabethtown, Kentucky. The Belt Plant begins its process with the mixing of raw materials that is then calendered into long sheets of rubber stock and wrapped into rolls. This rubber material is then sent to belt manufacturing where it is made into slabs of belts on a builder. Depending on the type of belt the process is completed as either 1) cut, wrapped, cured, inspected, and packaged; 2) cured, cut, inspected, and packaged; or 3) cured, cut, ground, inspected, and packaged. The Polyflex Plant begins its process with the mixing of raw materials that is then pressure or vacuum filled into preassembled molds. The molds are then cured for varying amounts of time and demolded. The demolded slab is sent to a printer and then a cutter. The finished belts are inspected and packed for shipment to warehouses.

EMISSION AND OPERATING CAPS DESCRIPTION:

The permittee has requested a synthetic minor emissions limit of 240 tons per year for sulfur dioxide and nitrogen oxides. These limits restrict their emissions below the major source thresholds for Title I of the Clean Air Act, promulgated in 401 KAR 51:017.